

SEVERE LOCAL STORMS, APRIL, 1927

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A more complete statement will appear in the annual report of the chief of bureau]

Place	Date	Time	Width of path, yards ¹	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Durham and Winston-Salem, N. C.	1	4 p. m.				High wind	Considerable damage to buildings and public utilities.	Charlotte Observer (N. C.).
Tarboro, N. C.	1	7:30 p. m.	550		\$75,000	Tornado	Many large trees uprooted; some buildings unroofed or damaged; path 2 miles long.	Official, U. S. Weather Bureau.
Anderson, Greenville, Greenwood, Laurens, Richland, and Darlington counties, S. C.	1		½ to 10 mi.		42,000	Series of thunderstorms with wind and hail.	Character of damage not reported.	Do.
Kentucky (western)	1				50,040	Wind	Buildings and wire systems damaged.	Do.
Poweshiek County, Iowa	4	10:30 a. m.	2,640			Hail	Damage principally to windows.	Do.
Champaign, Christian, Greene, Jersey, McLean, Macon, Macoupin, Madison, and Montgomery Counties, Ill.	4	3 p. m.			165,000	Hail and wind	Greenhouses, roofs, and windows damaged by hail; much early fruit injured. Storms generally occurred in the afternoon.	Do.
Dallas, Tex. (vicinity of)	4	7:20 p. m.				Thunderstorm and hail.	Vegetables and fruit injured.	Do.
St. Louis, Mo. (near)	4					Hail	Greenhouses and fruit considerably damaged.	Do.
Thayer and Wheatfield, Ind.	4					do.	Damage slight to considerable.	Do.
Ashland and Seneca Counties, Ohio.	5					Wind and hail	Property damage reported.	Do.
Sumter, S. C. (near)	5				5,000	Thunderstorm and wind.	Dwellings, barns, and plate-glass windows damaged.	Do.
Flint, Tex.	6	2:30 a. m.	4 mi.			Heavy hail	Considerable damage to roofs and crops over path 20 miles long.	Do.
Grady County, Okla.	6	5:45 p. m.	8 mi.		30,000	do.	Heavy crop loss; some damage to other property.	Do.
Stevens County, Okla.	6	8:30 p. m. and 10:30 p. m.	10 mi.		20,000	Two hailstorms.	Heavy crop and considerable property damage over path 40 miles long.	Do.
Dougherty, Okla.	6	9 p. m.				Heavy hail	Damage severe, crops practically a total loss.	Do.
Fort Cobb, Okla. (7 miles southwest of).	6		880			Hail	Crop loss heavy; other property about \$2,000. Path, 8 miles.	Do.
Tyler, Tex.	6-7	10:45 p. m. 1 a. m.	7 mi.		95,000	Hail and rain.	Severe damage to tomato and berry crops; much damage to farms and highways by washing.	Do.
Garvin County, Okla.	6-7		5-15 mi.		100,000	Two hailstorms.	Crop and property damage heavy.	Do.
Dodge City, Kans. (16 miles west of).	7	7 p. m.				Tornado	Some buildings unroofed; a house turned around.	Do.
Dodge City, Kans. (south of).	7					Thunderstorm and hail.	Roof damaged; wheat beaten.	Do.
Geiger, Ala.	8					Wind and hail	Character of damage not reported.	Do.
Havre, Mont., and vicinity.	8-9				5,000	Wind and snow	Several plate glass windows broken; numerous signs and chimneys blown over; wire systems damaged; some loss of livestock.	Do.
Springfield, Mo.	9	2:20 a. m.			10,000	Severe thunderstorm.	Numerous basements flooded.	Do.
Hollister, Mo.	9					Severe hail	Fruit and gardens injured.	Do.
Carroll, Gibson, and Shelby Counties, Tenn.	9					Hail	Hothouses and windows damaged.	Do.
Chattanooga, Tenn., and vicinity.	10	3:22 a. m.				Thunderstorm	Wire systems, streets, sewers, and gardens damaged.	Do.
Arlberg, Ark.	10	1:30 p. m.	3 mi.			Heavy hail	Crops injured; roofs pierced.	Do.
Comanche, Cotton and Tillman Counties, Okla.	10	8 p. m.	6 mi.			do.	Crops and property damaged over path 25 miles long.	Do.
Walters, Okla., and vicinity.	10	8:30 p. m.	3 mi.			Hail	Crops and property damaged over path 20 miles long.	Do.
Madison and Chambers Counties, Ala.	10					Heavy hail	Character of damage not reported.	Do.
Brunswick, Mo.	10					do.	Little damage done owing to backward condition of crops.	Do.
Madison County, Fla.	11	12:30 a. m.			1,000	Hail	Character of damage not reported.	Do.
Palo Alto, Calif.	11	12:30 p. m.	1,000			do.	Truck gardens damaged.	Do.
Del Rio, Tex.	11	6-6:30 p. m.	50	1	18,000	Tornado	Houses unroofed; windows broken; oil derrick and buildings around it blown down; 30 persons injured.	Do.
Washita and Caddo Counties, Okla.	11	6:30 p. m.	220			Hail	Damage chiefly to crops; path 10 miles long.	Do.
Minco (near) to Mustang, Okla.	11	7 p. m.	150	1	250,000	Tornado	12 houses completely demolished, others damaged; 7 persons injured; path 20 miles long.	Do.
Comanche, Okla., and vicinity.	11	9:30 p. m.	5 mi.			Heavy hail	Crop and property damage considerable; path 20 miles.	Do.
Citronelle and Gadsden, Ala.	11					do.	Character of damage not reported.	Do.
Perrine and Peters, Fla.	11		4 mi.			do.	About 10 per cent of tomato crop ruined.	Do.
Nixon, Tex.	11-12		30 mi.		50,000	Two hail storms	Heavy property and crop damage; also poultry killed.	Do.
Dearing (near), Kans.	12	1:30 a. m.				Violent wind squall.	Outbuildings damaged; trees prostrated; one person injured.	Do.
Yoakum, Tex.	12	11:30 a. m.			250,000	Hail	Severe crop damage; windows broken.	Do.
Shiner, Tex.	12	12:30 p. m.	1,760			do.	All crops in area destroyed; poultry injured; path 12 miles.	Do.
McCurtain, Okla. (near), to Fort Smith, Ark.	12	P. m.	200	4	100,000	Tornado	Houses unroofed; trees uprooted; light buildings moved from foundations; 13 persons injured.	Do.
Rock Springs-Leakey-Utopia, Tex.	12	7:50 p. m.	1,760	74	1,230,000	do.	Town of Rock Springs practically destroyed; 205 persons injured; path 65 miles long.	Times Record (Fort Smith, Ark.).
Uvalde, Tex. (14 miles northwest of).	12	8 p. m.				do.	All buildings in path wrecked.	Do.
Uvalde, Tex. (7 miles northeast of).	12	P. m.				do.	No damage reported.	Do.
Robert Lee to Bronte, Tex.	13	12:05 a. m.	880		53,000	do.	Considerable property damage over area covered; 5 persons injured.	Do.
Belton - Pendleton - Eddy, Tex.	13	5:30 a. m.	400-1,760		145,000	do.	Many families homeless; livestock killed or injured; heavy loss to pecan and fruit trees.	Official, U. S. Weather Bureau. Temple Daily News (Tex.).
Arlington to Hebron, Tex.	13	7-8 a. m.	150	2	26,000	do.	Considerable damage, character of which was not reported; 13 persons injured.	Official, U. S. Weather Bureau.
Ellis County, Tex.	13	8 a. m.	880			do.	Only slight damage reported; 1 person injured.	Do.
Lufkin, Tex.	13	2 p. m.	440	2	75,000	do.	Several homes wrecked or unroofed.	Do.

¹ "Mi." signifies miles instead of yards.

² Damage includes that at Lufkin on the 14th.

Severe local storms, April, 1927—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Appleby, Tex.	13	2-3 p. m.	880			Hail	Cotton in path must be replanted; corn and gardens beaten.	Official U. S. Weather Bureau.
Atlanta, Tex.	13	2:45 p. m.	150		\$50,000	Tornado	Two business houses and a dozen others damaged; large trees uprooted.	Official, U. S. Weather Bureau. Dallas Morning News (Tex.).
Furnas County, Nebr.	13	5-6 p. m.				Hail	Considerable damage in places; some poultry killed; area 15 square miles.	Official, U. S. Weather Bureau.
Bryan, Tex.	13					Wind	Damage principally to windows.	Do.
Crockett, Tex.	13				500,000	Wind and rain	Damage principally by rain.	Do.
Furnas County, Nebr. (western).	13	P. m.				Tornado	Barn wrecked; house moved.	Do.
Desert, Tex. (3 miles north of).	13		50			Small tornado	Almost everything in path destroyed.	Dallas Morning News (Tex.).
Godley and Joshua, Tex.	13					Wind	Garages and autos damaged; livestock injured.	Official, U. S. Weather Bureau.
Weimar, Tex.	13					do.	Several farm homes damaged.	Do.
Woden, Tex.	13					do.	A schoolhouse, 3 residences, and 2 autos wrecked.	Do.
Shiner, Tex.	14	12:30 a. m.	100			Tornado	Only moderate damage reported.	Do.
Mount Selman to Walnut Grove, Tex.	14	1-2 a. m.	200		4,000	do.	Three houses blown down and damage to tomato and other crops.	Dallas Morning News (Tex.).
Titus County, Tex.	14	3-4 a. m.				Hail and wind	Several residences, barns, timber, etc., blown down.	Do.
Marshall, Tex. (5 miles south of).	14	4:45 a. m.		1		Tornado	Many houses unroofed or otherwise damaged; telephone lines and trees damaged.	Do.
Lufkin, Tex.	14	6:20 a. m.	150		(?)	do.	A mill and several other buildings wrecked.	Official, U. S. Weather Bureau.
San Augustine, Tex.	14	8:30 a. m.				do.	Moderate damage resulted.	Do.
Greenwood, La. (2 miles east of).	14	8:41 a. m.	880		5,700	Tornadic wind	Severe damage to trees, old structures, signs, etc.; bus loaded with school children overturned, injuring several.	Do.
Little Rock, Ark. (southwest of).	14	2:45 p. m.			10,000	Tornado	Wires, buildings, and trees damaged; 5 persons injured.	Do.
Pine Bluff, Ark.	14	3 p. m.				Wind	Minor damage.	Do.
Abbeville, La.	15	3:30 a. m.	7-10 mi.			Heavy hail	Some crop and property damage.	Do.
Columbia, Miss.	15					Thundersquall	Considerable local damage.	Do.
Meridian, Miss.	15			1		High wind	Large tent razed; minor injury to buildings, trees, etc.	Do.
Louisiana (southern in vicinity of New Orleans).	15-16					Thunderstorms	Extensive damage by flooding.	Do.
Auburn, Calif.	16	7 p. m.	880		30,000	Heavy hail	Cherries and early plums almost total loss.	Do.
Mobile, Ala.	16				8,000	Thunderstorm	Shipbuilding company sustains heavy loss; other minor damage.	Do.
Arkona, Okla.	17					Thunderstorm and wind	16 houses damaged.	Do.
Fort Smith, Ark.	17					Thunderstorm	Glass broken; trees damaged.	Do.
Washington.	17					High winds	Winds throughout State cause damage to shipping and soil.	Do.
Washita County, Okla. (northeastern).	17		2-3 mi.		50,000	Heavy hail	Damage chiefly to crops over path 10 miles long.	Do.
Van Arsdale, Kans. (near).	18	1:30 p. m.	200		600	Tornado	Only small buildings and telephone lines damaged.	Do.
Harper to Eckert, Tex.	18	5:30 p. m.	300		80,000	do.	Livestock killed; buildings wrecked; 7 persons injured.	Official, U. S. Weather Bureau; Dallas Morning News (Tex.).
Moore, Tex.	18	7:30 p. m.	200	2	6,000	do.	1 home completely demolished; 8 persons injured.	Do.
Arkansas City, Kans.	18	8 p. m.				Small tornado	1 house damaged; telephone poles and trees blown down.	Official, U. S. Weather Bureau.
Granger, Tex. (5 miles northwest of).	18	do.	60	2		do.	Houses partly unroofed; trees and fences torn down over path 15 miles long; 4 persons injured.	Do.
Arthur City, Tex. to southeast Choctaw County, Okla.	18	11:30 p. m.	440	1	60,000	do.	Nearly every building in path demolished; 13 persons injured.	Do.
Blanco County, Tex. (Walnut and Blowout sections).	18	P. m.				Tornado	Farm buildings and a church wrecked; several persons injured.	Dallas Morning News (Tex.).
Rockport, Ind.	18					Heavy hail	Slight to considerable damage.	Official, U. S. Weather Bureau.
Cave Springs, Mo. (near).	19	A. m.				Tornadic wind	3 barns wrecked; a dwelling unroofed and a school house demolished.	Springfield Daily Morning News (Mo.).
Boone to Adair County, Mo., and east to Mississippi River.	19	10 a. m. to 12 noon.	6 mi.		10,500	Hail, wind, and rain.	Many bridges washed out; trains delayed; windows broken; roofs punctured; crops injured.	Official, U. S. Weather Bureau.
Quincy, Ill.	19	10:20 a. m.			12,000	Heavy hail	Much damage to fruits, roofs, windows, and auto tops.	Do.
East-central Boone County northeastward to Louisiana, Pike County, Mo.	19	11:30 a. m.			60,000	Tornado	Tree tops twisted off; 30 buildings demolished or damaged; 4 persons injured.	Do.
Apex (4 miles southwest of), Mo., northeast to Ford-Livingston County line, Ill.	19	1 p. m.	60-600	21	1,369,500	do.	Many buildings wrecked, others damaged; much destruction of farm properties and crops. Path 170 miles long; 123 persons injured.	Do.
Washington County, Iowa.	19	2 p. m.	2,640		20,000	Wind	Character of damage not reported.	Do.
Sanilac and Huron Counties, Mich.	19	7-8 p. m.			125,000	Tornadic winds	Extensive property damage.	Do.
Melvin (near), Mich.	19	7:45 p. m.	30			Small tornado	Trees uprooted; several barns demolished; many buildings twisted.	Do.
Clay-Park County, Ind.	19				45,000	Tornadic wind	Damage of various kinds reported.	Do.
Effingham County, Ill.	19		60		15,000	Tornado	Considerable damage over path 15 miles long; 3 persons injured.	Do.
Kankakee County, Ill. (Aroma Park and vicinity).	19				50,000	Wind	Much property damage reported; 4 persons injured.	Do.
Macomb (near), Ill.	19					do.	Damage to 20 farm properties.	Do.
Milwaukee, Wis.	19				5,000	Severe squall	Area covered about 4 city blocks; 1 building moved; 14 poles blown down; many buildings damaged by water.	Do.
Stark, Bureau, Lee, De Kalb, McHenry, Kane, Ogle, and Lake Counties, Ill.	19				252,500	Violent winds	Overhead wires and trees blown down, buildings damaged; American Steel Wire Co. sustains heavy loss.	Do.

* Damage included in that of the 13th.

Severe local storms, April, 1927—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
West Union, S. C. (near)...	19				\$2,000	Electrical	Barn and contents destroyed.	Official, U. S. Weather Bureau.
Winsor, Ill. (near).....	19		50			Tornado	Minor damage to farm property; path 1 mile long.	Do.
Pryor to Choteau, Okla.	20	6 p. m.	8 mi.			Moderate hail	Damage confined chiefly to crops.	Do.
Abilene, Tex.	20				3,500	High wind	Several frail buildings damaged; awnings torn.	Do.
Nashville, Tenn.	20					Severe thunderstorm and hail.	Quantities of peaches knocked off; trees and garden truck injured; telephones out of order; some damage by flooding.	Do.
Caps to Potosi, Tex.	20				100,000	Heavy hail	Severe crop and property damage.	Do.
Dallas, Tex.	20-21					Thunderstorm	Residence struck by lightning and burned; 1 person injured.	Do.
Dubuque County, Iowa, westward.	20-21					Sleet	Overhead wires broken and a few poles snapped.	Do.
Palestine, Tex.	21	12:45 a. m.	100			Tornado	Considerable damage over small area; telephone and telegraph service crippled for several hours.	Do.
Harmon to Gross, La.	21	2 a. m.	3,520		50,000	Thunderstorm and wind.	Tenant houses on several plantations wrecked; oil derricks overturned; timber damaged; wire communication impaired.	Do.
Ballard County, Ky.	21					Wind and floods	43 homes moved from foundations by wind.	Do.
Fort Gibson, Okla.	25	9 p. m.				Small tornado	Several houses and barns demolished; trees uprooted.	Fort Smith Journal (Ark.).
Covington, Ind.	27					Heavy hail	Damage slight to considerable.	Official, U. S. Weather Bureau.
Queen Anne County, Md. (southwestern).	27					do.	Gardens injured; windows broken.	Do.
Hardy, Nebr. (near).....	28	3:30 p. m.	100		5,000	Tornado	Farm buildings destroyed; path, 9 miles long.	Do.
Gage County (western) and Jefferson County (southeastern), Nebr.	28	6-7 p. m.	5		16,000	do.	Several farm buildings wrecked; trees uprooted; path, 9 miles.	Do.
Anderson and Bourbon Counties, Ky.	29				30,000	Wind	Buildings damaged.	Do.
Bedford, Scottsburg, and Shelbyville, Ind.	29					Heavy hail	Damage slight to considerable.	Do.
Centralls, Ill., and vicinity.	29		3,520		50,000	do.	Extensive property damage; orchards not hurt.	Do.
Louisville, Ky., and vicinity.	29				20,000	Wind	Character of damage not reported.	Do.
Marlinton, W. Va., and vicinity.	29					High wind	Roofs blown off; a schoolhouse and many trees blown down.	Do.
Fairwood, S. C.	30	2 p. m.			5,000	Thundersquall	A dwelling and 2 stock barns damaged.	Do.

STORMS AND WEATHER WARNINGS

WASHINGTON FORECAST DISTRICT

In connection with a disturbance over northeastern Missouri, which was moving eastward on the morning of the 1st, northeast storm warnings were ordered between Atlantic City and Boston, and for the next two days radio bulletins indicated strong winds off the Middle Atlantic coast. Winds occurred as forecast in the advices.

On the evening of the 6th, with a disturbance over the lower St. Lawrence valley, advices were issued by radio for strong winds on the following day along the Atlantic coast from Sandy Hook northward. Similar advices were distributed the morning of the 7th for the Middle and North Atlantic coast. Strong winds reaching gale force at times occurred substantially as indicated.

Special observations at 2 p. m. of the 9th indicated the development of a disturbance with probable northeast movement near Cape Hatteras, and northeast storm warnings were ordered from Delaware Breakwater to Boston. The disturbance, however, moved almost due east and winds on the coast were only fresh, but were strong off the coast in region of storm center, as far east as Bermuda.

Southeast storm warnings were ordered on the east Gulf coast between Bay St. Louis, Miss., and Apalachicola, Fla., on the morning of the 14th in connection with a disturbance over southeastern Texas. Winds were strong at times over the greater portion of the area indicated.

Small-craft warnings were ordered on the 20th from Delaware Breakwater to Eastport, on the 21st from Bay St. Louis, Miss., to Apalachicola, Fla., and on the 22d from Boston to Jacksonville.

On the morning of the 26th, with a disturbance of considerable intensity over Lake Huron, southwest storm warnings were hoisted from Delaware Breakwater

to Eastport, and strong winds occurred. Small-craft warnings were also ordered south of Delaware Breakwater to Norfolk.

On the 17th storm warnings were ordered at 3 p. m. from Delaware Breakwater to Cape Hatteras in connection with a disturbance over Ohio, and strong winds and gales occurred over the region of display.

Small-craft warnings were hoisted at 10:30 a. m. of the 29th from Delaware Breakwater to Boston.

Warnings of frost or freezing temperatures were issued for considerable areas on the 11th, 20th, 22d, 23d, 24th, and 30th, and for limited areas on the 1st, 5th, 14th, and 21st, with timely accuracy in the great majority of cases.—*R. H. Weightman.*

CHICAGO FORECAST DISTRICT

The two outstanding features of the weather of April, 1927, in the Chicago forecast district were the frequency with which precipitation occurred, and the severe freeze at the beginning of the third decade. Not a single 12-hour period (considered as beginning at 7 a. m. and 7 p. m.) passed without at least 0.01 of an inch of precipitation somewhere in the district, while the freeze caused serious damage over a wide area in the southern portion of the district.

Frost warnings.—At the beginning of the month vegetation was subject to frost damage only in the extreme southern part of the district, but by the close this stage had been reached elsewhere in the forecast district, except in most of the Dakotas and the northern portions of Minnesota and Michigan. The only frost warning issued prior to the 14th was that on the 1st for southeastern Kansas, most of the fore part of the month having been cloudy and rainy.

On the morning of the 21st general warnings of freezing temperature or of heavy to killing frost were issued for practically all the southern half of the district. At that time an abnormally cold high pressure area overlay the